IR, denote red, green, blue, and IR pass filters, respectively. The tiling pattern is provided by repeating the unit array of Fig. 2 in both the row and column directions. The number of repetitions may be non-integral. For convenience, we shall refer to IR as a color, so that the tiling pattern based upon the unit array of Fig. 2 is a four-color mosaic pattern. It is also to be understood that the R, G, and B pass filters may also each pass IR.

In the Claims

Please amend claims 1 and 9 to read as follows:

1. (Amended Four Times) A color filter array comprising a tiling pattern of pass filters, wherein the tiling pattern has a unit array, the unit array having green, red, blue, and infrared pass filters in relative numerical proportions 4:1:1:2, respectively.

9. (Amended Four Times) A color filter array comprising a tiling pattern of pass filters, wherein the tiling pattern has a unit array, the unit array having yellow, magenta, cyan, and infrared pass filters in relative numerical proportions 4:1:1:2, respectively.

Remarks

Claims 1-16 are presently active, claims 1 and 9 having been amended by this Amendment.

In the office action dated 7 March 2002 ("Office Action"), claims 1 and 9 were rejected under 35 U.S.C. §112, first paragraph. Claims 2-8 and 10-16 were allowed.

Applicants wish to point out that in the specification, page 2, starting at line 24, it is stated that a Color Filter Array (CFA) "is an array of filters, usually contiguous ...". Furthermore, on page 4, starting at line 11, it is stated that an embodiment of the present invention is a four color Red-Green-Blue-InfraRed tiling pattern for a CFA, where the unit array is provided in Fig. 2. A tiling pattern simply means that the unit array is repeated in the "x" and "y" dimensions, without other filters "in-between". That is, one